



MAJOR TRANSPORTATION & REGIONAL COOPERATION COMMITTEE

August 4, 2015

RECENT DEVELOPMENTS

- Civil construction continued throughout June, July
 - Trackwork on Main extended south through 6th St., north from 3rd through 4th
 - 7th & Main intersection
 - 3rd & Main intersection
 - 6th & Main intersection
 - 4th & Main intersection
 - Paving, special restoration efforts completed prior to All-Star Game
 - Walnut St. paving
 - Pole installation
 - Sidewalk restoration at 4th & Walnut
 - ASG shutdown July 9-16
 - Certificate of Occupancy for MOF issued
 - OCS testing in OTR continued



SCHEDULE STATUS

Construction

- MPD Construction Contract Milestone Dates:

Milestone	Original Contract Dates (Bid Docs)	Change Order #1	Change Order #5
OTR Loop & MOF Substantial Completion	June 15, 2014		
3000 ft. Test Track & MOF Substantial Completion	July 15, 2014	March 1, 2015	March 21, 2015
Substantial Completion of OTR Loop	March 1, 2015	June 29, 2015	July 19, 2015
Substantial Completion of All Work	October 1, 2015	March 15, 2016	April 4, 2016
Revenue Service	April 2, 2016	September 15, 2016	September 15, 2016



BUDGET VS. EXPENSES

Through 7/31/15 - DRAFT

BUDGET - June 2013		EXPENSES 7/31/2015		
Budget Category	Base + Allocated Contingency	Expended	Encumbered	Expend. + Encumb.
Pre-Development	\$ 1,313,786.00	\$ 1,264,628.13	\$ 49,157.87	\$ 1,313,786.00
Design	\$ 14,598,719.00	\$ 14,313,044.86	\$ 19,571.85	\$ 14,332,616.71
Real Estate	\$ 2,010,143.00	\$ 2,011,186.00	\$ -	\$ 2,011,186.00
Construction	\$ 52,511,908.33			
MOF	\$ 11,914,668.98			
Utilities (Project)	\$ 6,958,405.62	\$ 59,785,371.61	\$ 11,599,611.32	\$ 71,384,982.93
Utilities (3rd Party)	\$ 6,225,065.37	\$ 2,574,494.38	\$ 3,092,363.76	\$ 5,666,858.14
Vehicles	\$ 25,213,095.40	\$ 7,690,343.10	\$ 16,261,577.41	\$ 23,951,920.50
Fare Vending	\$ 550,000.00	\$ -	\$ -	\$ -
City Project Administration	\$ 4,441,476.27	\$ 3,023,508.00	\$ -	\$ 3,023,508.00
SORTA Project Administration	\$ 2,100,000.00	\$ 1,022,484.78	\$ 977,515.22	\$ 2,000,000.00
Start-up	\$ 250,000.00	\$ -	\$ -	\$ -
Unallocated Contingency	\$ 4,991,010.00	\$ 2,972,805.61	\$ 1,411,123.81	\$ 4,383,929.42
Subtotal	\$ 133,078,277.97	\$ 94,657,866.47	\$ 33,410,921.24	\$ 128,068,787.70
Utilities (Duke Escrow)	\$ 15,000,000.00	\$ 15,000,000.00	\$ -	\$ 15,000,000.00
Grand Total	\$ 148,078,277.97	\$ 109,657,866.47	\$ 33,410,921.24	\$ 143,068,787.70

* *Construction* Expenditures include \$2.95 Million in unreleased retainage on MPD contract .
Vehicle Expenditures include \$294,395 in unreleased retainage on CAF contract

RISK/CONTINGENCY ITEMS

- Unforeseen conditions
 - Pole foundations
 - Underground utility and structures conflicts
- Additional staff time, engineering support
 - Result of extension of delivery dates due to Stop Work Order
 - LTK extension finalized
 - Additional engineering support could be necessary if unforeseen vehicle or testing issues arise
- Capital Equipment, Integration items
 - Spare Switch Points, TVM's, WTM, misc. utility connections
- Unforeseen start-up, testing needs
 - Misc. tools, equipment, etc.



CONTINGENCY USAGE

Through 7/30/15- DRAFT

Through:	July 30, 2015				
Budget Category	Contingency Budget	Completed Contingency Uses	Pending Contingency Uses	Estimated Contingency Uses	Contingency Remaining
ALLOCATED CONTINGENCY					
Pre-Development	\$ -	\$ -			\$ -
Design	\$ 202,370.96	\$ -			\$ 202,370.96
Real Estate	\$ -	\$ -			\$ -
Construction					
MOF	\$ 2,000,000.00	\$ 1,359,248.32	\$ 190,008.00	\$ -	\$ 450,743.68
Utilities (Project)					
Utilities (3rd Party)	\$ 77,207.23	\$ -			\$ 77,207.23
Vehicles	\$ 2,101,722.40	\$ 977,100.75			\$ 1,124,621.65
Fare Vending	\$ 50,000.00	\$ -			\$ 50,000.00
City Project Administration	\$ 190,800.63	\$ -	\$ 190,800.63		\$ -
SORTA Project Administration	\$ 100,000.00	\$ -			\$ 100,000.00
Start-up	\$ -	\$ -			\$ -
Subtotal	\$ 4,722,101.22	\$ 2,336,349.07	\$ 380,808.63	\$ -	\$ 2,004,943.52
UNALLOCATED CONTINGENCY					
Unallocated Contingency		\$ 1,385,418.50		\$ 253,707.00	
Construction	\$ 4,991,010.00	\$ 1,839,744.11		\$ 988,830.00	\$ (1,017,506.64)
City Project Administration			\$ 931,868.72		
Design		\$ 608,948.31			
Subtotal	\$ 4,991,010.00	\$ 3,834,110.92	\$ 931,868.72	\$ 1,242,537.00	\$ (1,017,506.64)
Utilities (Duke Escrow)	\$ -				\$ -
Grand Total	\$ 9,713,111.22	\$ 6,170,459.99	\$ 1,312,677.35	\$ 1,242,537.00	\$ 987,436.88

GRANT DRAWDOWN SUMMARY

Through 7/31/15

SOURCE	GRANT NUMBER	ALI CODE	Description	FEDERAL SHARE			
				Authorized	Drawn	Pending	Amount Remaining
Urban Circulator	OH-03-0303	12.79.00	City Project Admin.	\$ 1,453	\$ 1,453	\$ -	\$ -
		12.79.00	SORTA Project Admin.	\$ 1,388,545	\$ 814,777		\$ 573,768
		12.23.03	Construction	\$ 7,600,000	\$ 7,600,000	\$ -	\$ (0)
		12.13.20	Vehicles	\$ 16,000,000	\$ 5,302,686		\$ 10,697,314
Subtotal				\$ 24,989,998	\$ 13,718,916	\$ -	\$ 11,271,082
CMAQ	OH 95-X054	12.23.03	Construction	\$ 4,000,000	\$ 4,000,000		\$ -
Subtotal				\$ 4,000,000	\$ 4,000,000	\$ -	\$ -
Rail ROW Grant	OH-90-X265	13.73.00	Contingency	\$ 268,278	\$ 268,278		
Subtotal				\$ 268,278	\$ 268,278	\$ -	\$ -
TIGER 3	OH 79-0002	12.79.00	City Project Admin.	\$ 154,545	\$ 154,545	\$ -	\$ (0)
		12.79.00	SORTA Project Admin	\$ 211,453	\$ 3,130		\$ 208,323
		12.23.03	Construction	\$ 15,554,000	\$ 15,554,000		\$ (0)
Subtotal				\$ 15,919,998	\$ 15,711,676	\$ -	\$ 208,322
TOTAL				\$ 45,178,274	\$ 33,698,870	\$ -	\$ 11,479,404

•Drawn + Pending = 74.6% of Federal grant funds



CONSTRUCTION STATUS

through 6/30/15

- Revenue Track Complete 17,390 of 18,600 ft. (93%)
- OCS Pole Foundations 276 of 317 complete (97%)
- OCS Poles 283 of 328 complete (86%)
- Traffic Signal Foundations 92 of 96 complete (96%)
- Traffic Signal Poles 89 of 95 complete (94%)
- Lane Miles Paved Approx. 10.7 of 13.5 complete
- Station Stop platforms 14 of 18 complete
- Traction Power Substations 4 of 4 delivered
- Special Trackwork 12 of 12 switches installed



CONSTRUCTION STATUS

Track:

- Complete Through Aug 3
- Scheduled Aug-Sep 2015

OCS:

- Complete Through Aug 3
- Scheduled Aug-Oct 2015

Paving:

- Complete
- Scheduled Sep 2015

Stops:









- Complete
- Scheduled Aug-Sep 2015



CINCINNATI STREETCAR MAJOR CBD WORK

AUG-OCT 2015

Legend

Track Complete	
Track Scheduled	
OCS Complete	
OCS Scheduled	
Paving Complete	
Paving Scheduled	
Stops Complete	
Stops Scheduled	



Main St.
•Paving - Sep 2015

Main St.
•5th & Main - Aug 7-10

Walnut St.
•2nd & Walnut paving -
Sep 14-23

Main St.
•2nd & Main - Oct 12-30



CERTIFICATE OF OCCUPANCY



Permit No. 2013P02434

Date: 06/10/2015

This is to certify that the building or structure, or portion thereof, herein described conforms substantially to the Cincinnati and Ohio Basic Building Codes, or in the case of use and/or alterations, that the work has been completed in accordance with the provisions of the approved permit.

Scope of Certificate NEW COMMERCIAL

Code Edition 2011 OBC

Owner CITY OF CINCINNATI
Tenant

Location 1927 RACE ST
Tenant Name/Suite: CITY OF CINCINNATI
Occupancy Type STREET CAR MAINTENANCE FACILITY

Construction Type of Building IIB Zoning District: UM-HIST
Occupancy Load of Building or 68 Occupancy Load
Number of Dwelling Units 0 Dwelling Units
Suppression System Provided Y Suppression System Required: Y
Automatic Sprinkler and Standpipe System Demand At the Base of the Riser PER PLANS

FLOOR OR SPACE									
Floor No.	1	MEZZ							
Primary Use Group	S-1	S-1							
Live Load	250	250	0	0	0	0	0	0	0
Occupant load or	52	16	0	0	0	0	0	0	0
Dwelling Units	0	0	0	0	0	0	0	0	0

Present/Previous Occupancy:

FOR SPECIAL SITUATIONS OR CONDITIONS

New Occupancy:

Richard Schriewer
Chief Building Official



Week of June 8, 2015



Rhinegeist Brewery Expansion



FURLONG
Building Enterprises



Brewing up another great project

FurlongBuild

Design-Build Construction • 800

Brewery District

Week of June 8, 2015



Week of June 15, 2015

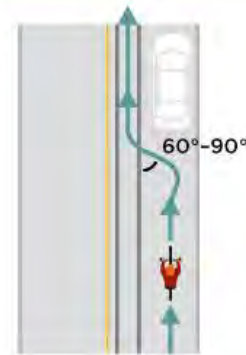


THE RIGHT ANGLE IS THE BEST ANGLE

Always slow down and cross streetcar tracks at a 60°-90° angle. Crossing incorrectly can result in your front tire sliding on the rail or getting stuck in the gap next to the rail, which can cause you to fall from your bicycle.



Turning Across the Track



Changing Lanes
Next To Track



Crossing Curved Track

In order to cross at the right angle, you may need to turn a little away from the track first, and then cross it. Make sure to slow down first, look behind you, and signal if appropriate.

If you are not comfortable riding over the tracks (because there are multiple tracks at an intersection, difficult track angles, or because of traffic) pull over to the curb, dismount, and cross the intersection as a pedestrian.

Streetcar tracks become more slippery when wet. Use caution riding in the rain or in winter weather.





Week of July 6, 2015



Week of July 13, 2015



Week of July 27, 2015

Week of July 27, 2015





Week of July 27, 2015



Week of July 27, 2015

VEHICLES

- Vehicle production continues in Elmira
 - Units #1 and #2 currently undergoing testing activities.
 - Unit #3 recently completed carshell assembly and watertightness testing – undergoing remaining installation assemblies
 - Unit #4 carshell assembly in progress
 - Unit #5 carshells scheduled to ship from Spain end of July
- Project team met with CAF in Elmira, NY July 21-23
 - Reviewed open QA/QC items
 - Resolved window glass distortion issue
 - Reviewed CAF project management organizational concerns
 - New CAF Project Manager
 - Discussed schedule concerns

VEHICLES

- Schedule
 - CAF currently projects vehicle deliveries to Cincinnati to occur later than originally projected
 - Current projection is approximately 8-12 weeks extension for first car
 - City has requested updated schedule details and recovery plan from CAF
 - Awaiting further information from CAF in order to determine firm date for deliveries
 - Due primarily to issues identified during testing and inspection that required modifications and/or retest, some sub-supplier issues

Milestone	Contractual Late Date
Contractual Delivery of 1st Car	September 17, 2015
Contractual Delivery of 2nd Car	October 17, 2015
Contractual Delivery of 3rd Car	November 17, 2015
Contractual Delivery of 4th Car	November 17, 2015
Contractual Delivery of 5th Car	December 17, 2015

SCHEDULE STATUS

- City , LTK, SORTA are working with CAF to recover time to extent possible
 - Resequencing of remaining test activities
 - Expediting review and approval of test procedures and test & inspection reports
- City, SORTA working to determine if extended delivery schedule will have any impact on operations or construction
- Project team is working with City Law Department to evaluate contractual remedies and bring them to bear if necessary
- Upcoming testing milestones:
 - Brake dynamometer testing – Began Week of Aug 3
 - Unit #1 dynamic testing in Elmira – Projected to begin Week of Aug 24
 - Climate Room testing (Unit #2) – Projected to begin Week of Aug 24



Week of July 20, 2015



Week of July 20, 2015



Week of July 20, 2015

Week of July 20, 2015



Week of June 1, 2015



Week of June 15, 2015



Week of July 20, 2015





Week of June 22, 2015



Week of June 29, 2015

Week of July 20, 2015



Week of July 20, 2015





Week of July 20, 2015



Week of July 20, 2015



Week of July 20, 2015

COMMUNITY INVOLVEMENT



COMMUNITY INVOLVEMENT

- Communications effort will begin to shift to Operations
- Coordination construction with All Star Game Celebrations, Reds schedule, and other riverfront and CBD events
- Presentation to Ohio Society of Professional Engineers
- Media availability for intersection closure updates
- Continuing established involvement strategy:
 - Streetcar Hotline: (513) 352-3333
 - Monthly Construction Stakeholders Meeting
 - Email Weekly updates
 - Media alerts for all closures or other work disrupting pedestrian or vehicular traffic
 - Business, citizens get information about street and lane closures through a variety methods:
 - Personal visit by a member of the team

COMMUNITY INVOLVEMENT

- Attendance at DCI/Police Sector Meetings
- Streetcar website: www.cincinnati-streetcar.com (all media and press releases)
- Media Interviews
- Bi-weekly coordination meetings with police, City Manager and communication personnel
- Briefings at multiple community and business organizations
- Monthly Construction Stakeholders Meeting
- Monthly Riverfront Joint Operations Task Force
- Coordination meetings with All Star Game Committee
- Social media (twitter @Cincy_Streetcar, City of Cincinnati Facebook page <https://www.facebook.com/CincinnatiStreetcarOFFICIAL>)





MAJOR TRANSPORTATION & REGIONAL COOPERATION COMMITTEE

August 4, 2015

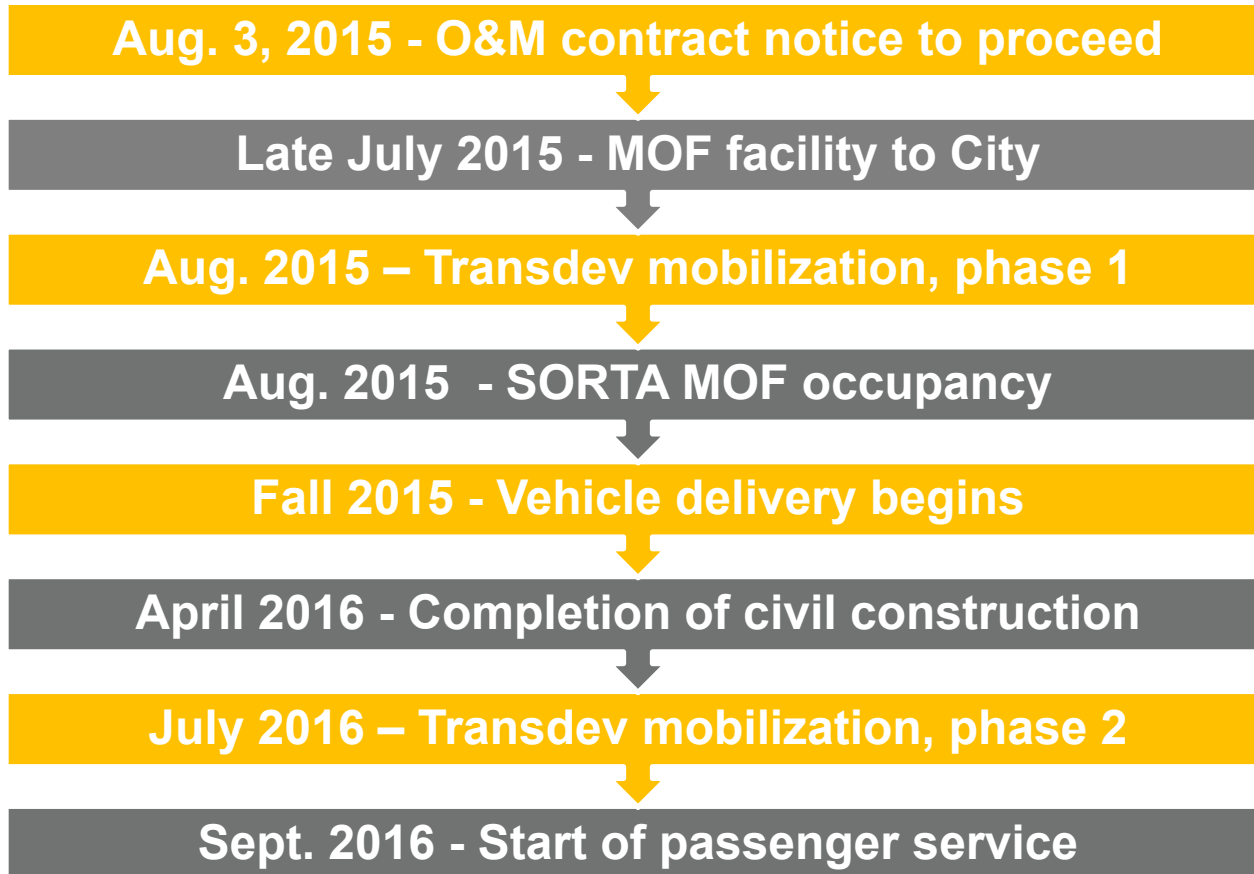
OPERATIONS AND MAINTENANCE UPDATE

August 2015



CINCINNATI
STREETCAR™

Key schedule milestones



Safety and security

- Convened kick-off meeting with ODOT (state safety oversight) – July 17, 2015
- Verified 95% of design; 50% of construction
- Resolved vehicle design audit issues; scheduled audit in Aug. 2015
- Conducting weekly Safety and Security Review Committee (SSRC); monthly Fire Life Safety and Security Committee (FLSSC) meetings

Safety and security

- Identified safety concerns in SSRC and FLSSC meetings
 - OCS interface issues
 - Emptying dumpsters
 - Notifying building contractors
 - Messaging for bicycle safety, general safety and safety for people with disabilities
- Operational Threat and Vulnerability Assessment (TVA) under development
- Continued safety outreach
- MOF security fit-up items

Contract 43-14 Streetcar O&M services



- Transdev contract executed July 21, 2015
- Notice to Proceed (NTP) Aug. 3, 2015
- Team started on-site at Metro
- Kick-off process underway



O&M contractor

- Transdev management team:



John Claflin
General Manager



Scott Archibald
Maintenance
Manager



Phil Lind
Transportation/Safety
& Security Manager



Initial Transdev activities

- Develop start-up schedule
- Joint development of updated Streetcar Rail Activation Plan (SRAP)
 - City of Cincinnati
 - SORTA
 - MPD
 - CAF USA
 - Transportation Resource Associates (TRA)



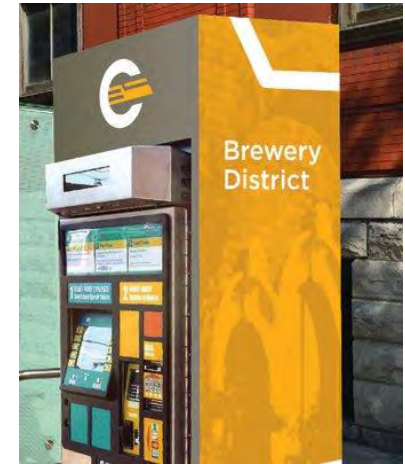
Initial Transdev activities

- Rail Activation Committee
 - Interface with SORTA and City SOPs
 - Refine integrated test plan
 - Occupy MOF
 - Training (vendor and Transdev-developed)
 - Develop rulebook
 - Develop Streetcar O&M SOPs
 - Safety and security support



Ticket vending machines

19 TVMs at streetcar stations –will sell both streetcar and Metro fare media



- | | |
|----------------------------|----------------|
| • Order placed | June 2015 |
| • Delivery | Oct. 2015 |
| • Testing & commissioning | Oct.-Dec. 2015 |
| • Installation (tentative) | March 2016 |

Wheel-truing machine

Needed to maintain wheel profile for smooth operation;
will be installed at MOF by year-end

- | | |
|---------------------------|-----------------------|
| • Factory testing | Early July-mid-August |
| • Modifications to MOF | Late July |
| • Delivery | Late August |
| • Testing & commissioning | November |

Trapeze CAD/AVL system

Radio communications system and automatic vehicle location, integrated with Metro

- All equipment has been delivered to CAF
- Installation on vehicles is ongoing
- SORTA inspection July 20, 2015
- Testing & commissioning After vehicle delivery



Office equipment for MOF

- Telephones, network/computer equipment July 2015
- Copier July 2015
- Trapeze WLAN equipment Aug. 2015
- Furniture delivery Aug. 2015

Questions

